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(54) **REVOLVER TYPE MICROSCOPE AND ROTARY POSITIONING DEVICE**

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(57) Abstract:

PURPOSE: To enhance positioning accuracy and to improve durability by providing a stepping motor rotating a revolver and setting the phase origin of the stepping motor as a positioning position.

CONSTITUTION: The revolver 4 is supported to freely rotate around a fixed shaft center and disposed so that an optional objective lens 5 may pass a position aligned with the optical axis of a lens barrel 3. The stepping motor 6 drives and rotates the revolver 4 around the shaft center and positions and stops it at a specified position. The stop position of the motor 6 is set so that the optical axes of the optional objective lens 5 and the lens barrel 3 may be aligned at the stop position of the revolver 4. The stop position of the motor 6 is set to the phase origin of the motor 6. A controller 8 is provided with a switching control part 9 switching the objective lens, whereby a microstep driver 10 is controlled by the control part 9 and the motor 6 is driven by the driver 10.

